

FIG. 1

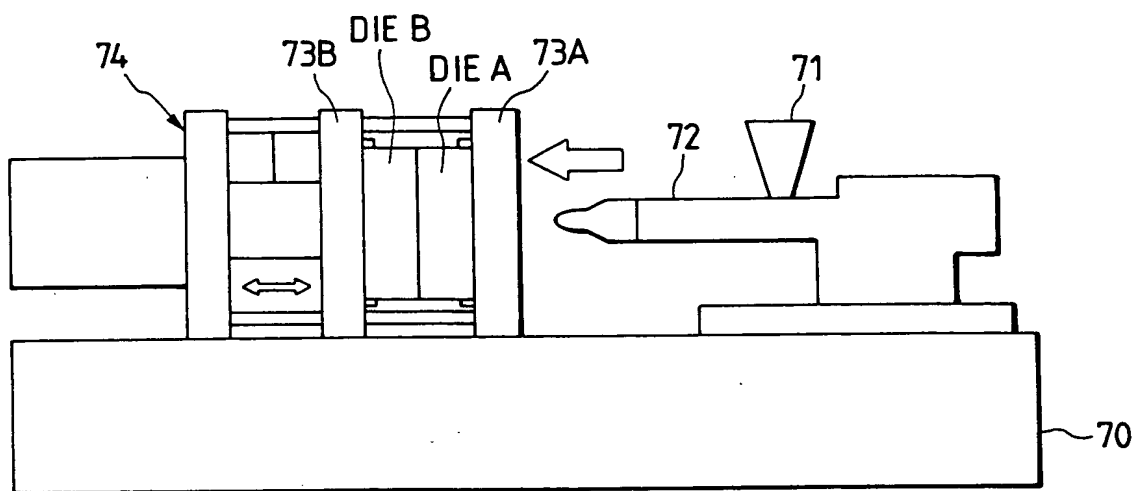


FIG. 2

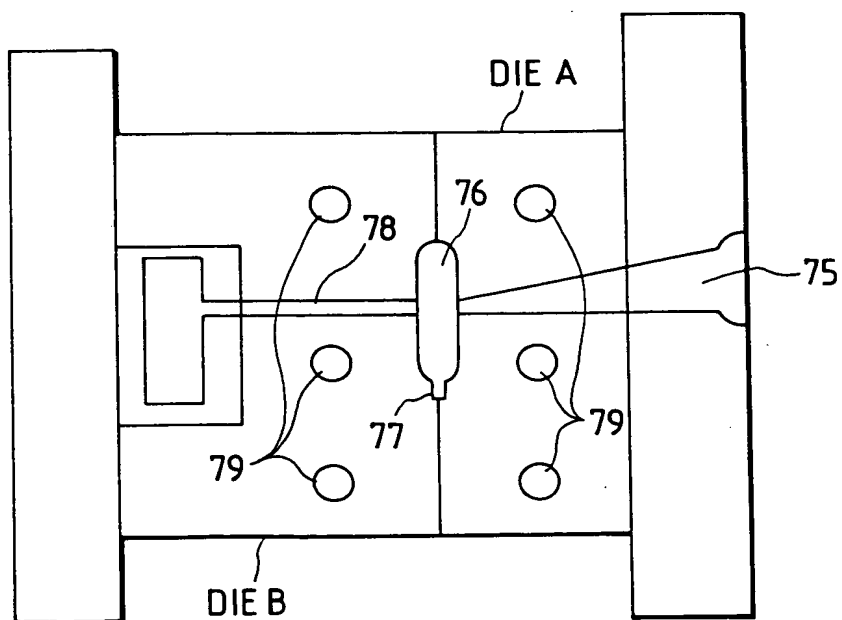


FIG. 1

FIG. 3

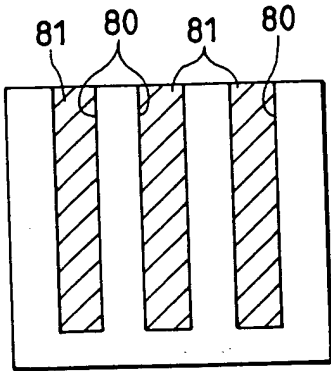


FIG. 4

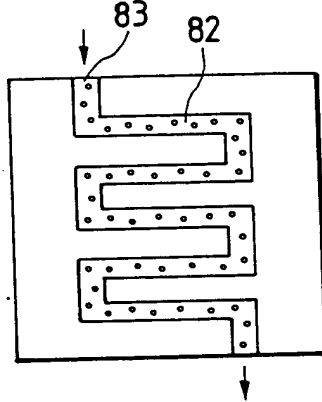


FIG. 5

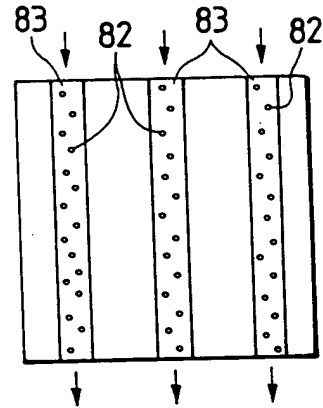


FIG. 6

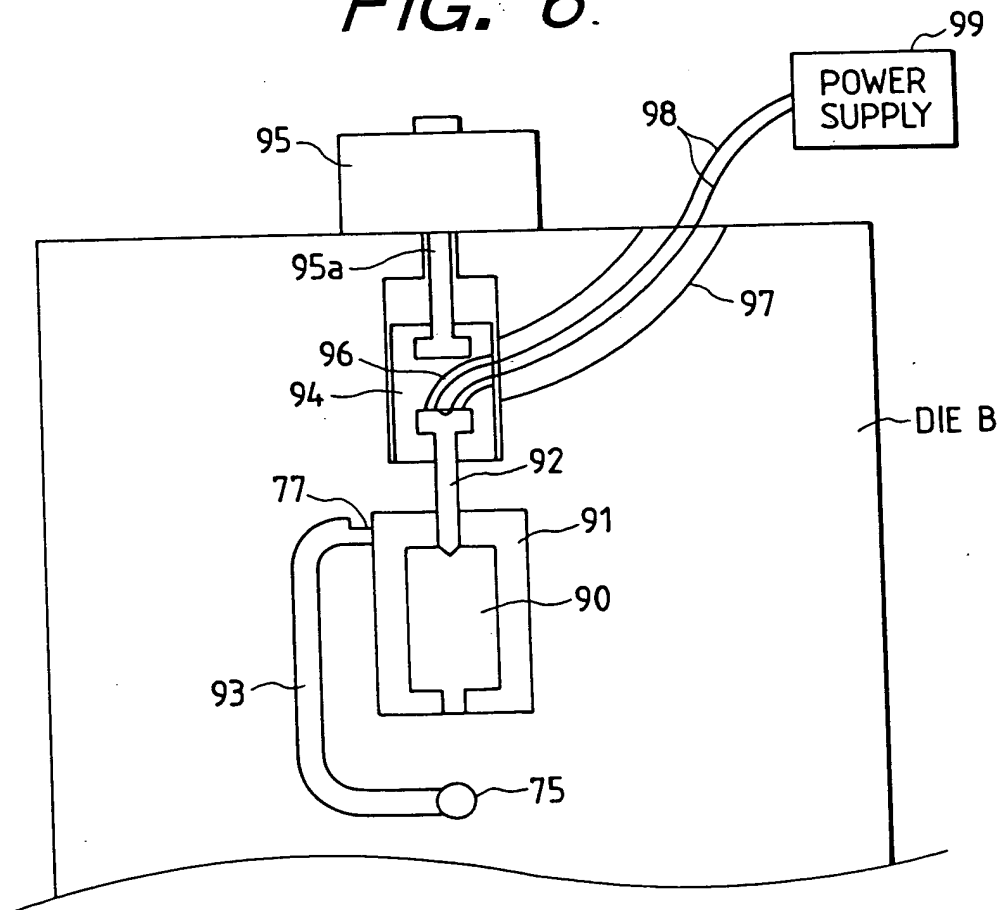


FIG. 7

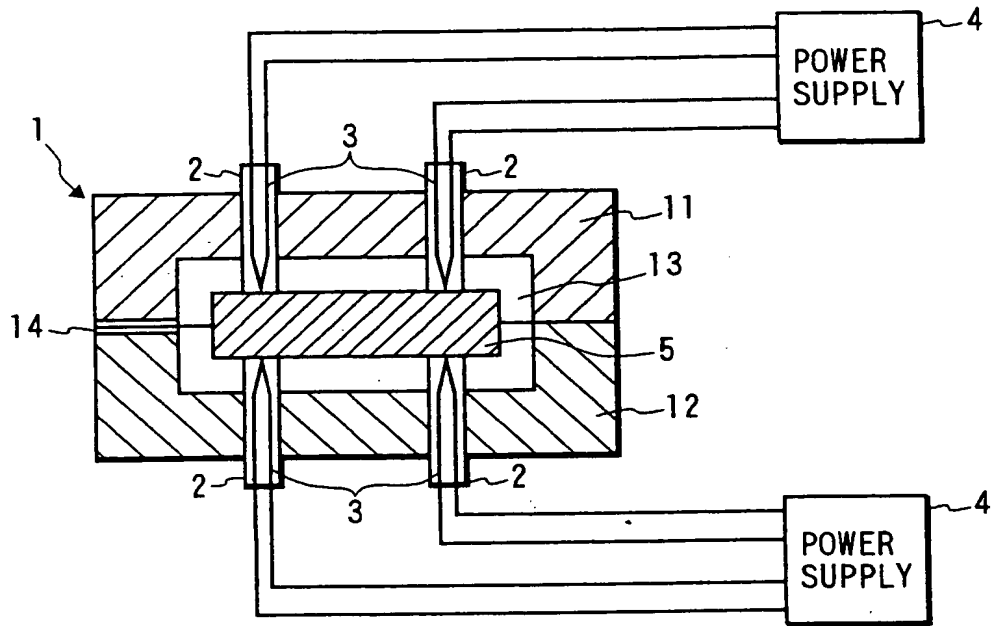


FIG. 8

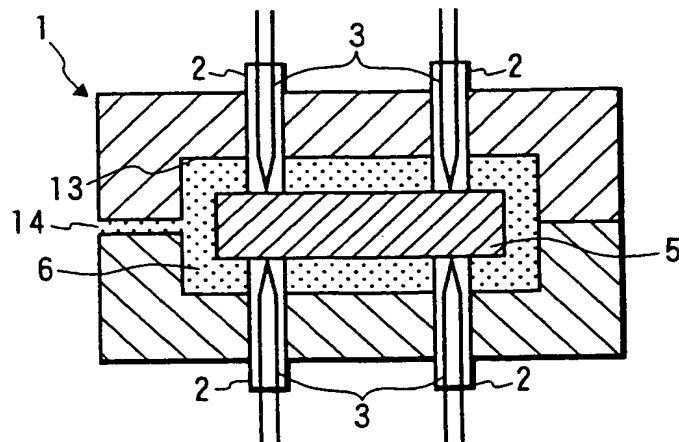


FIG. 9

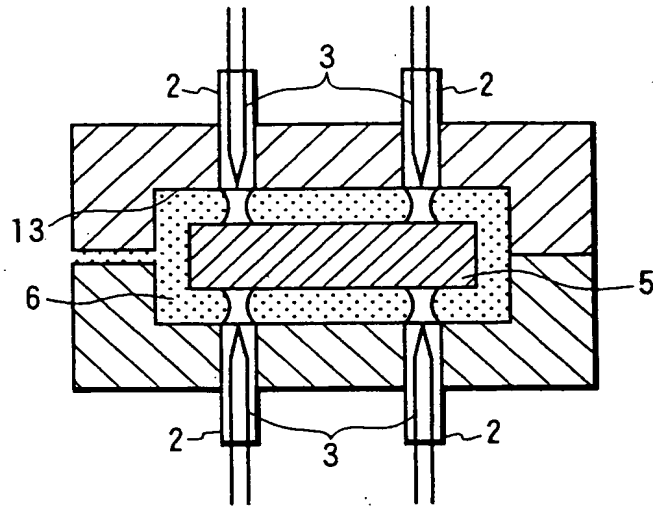


FIG. 10

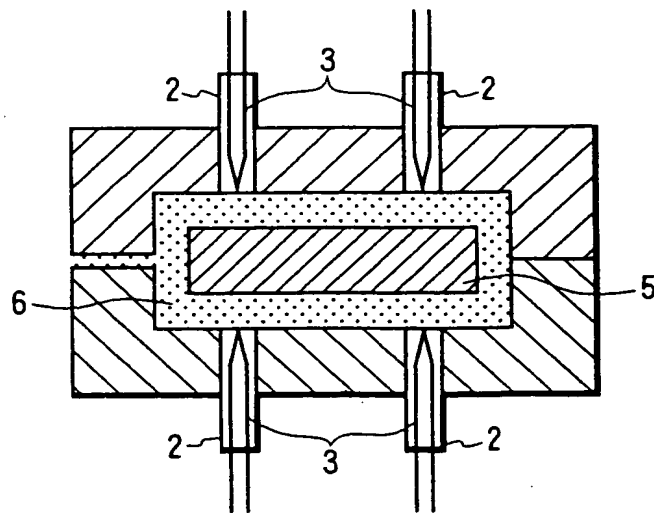


FIG. 11
PRIOR ART

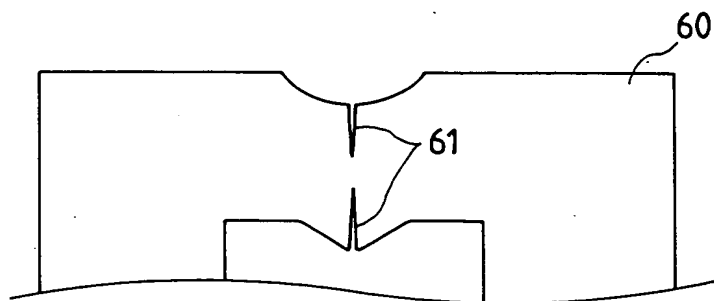


FIG. 12

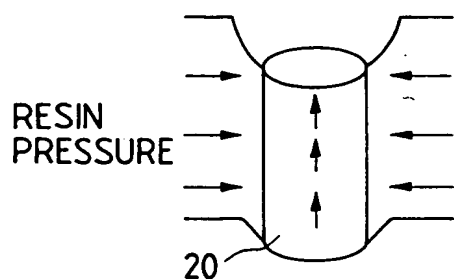


FIG. 13

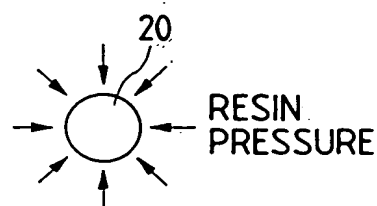


FIG. 14
PRIOR ART

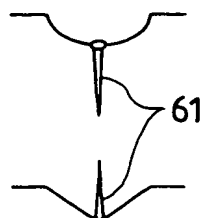


FIG. 15

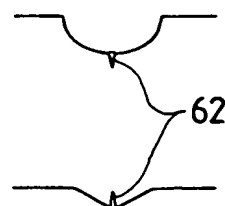


FIG. 16

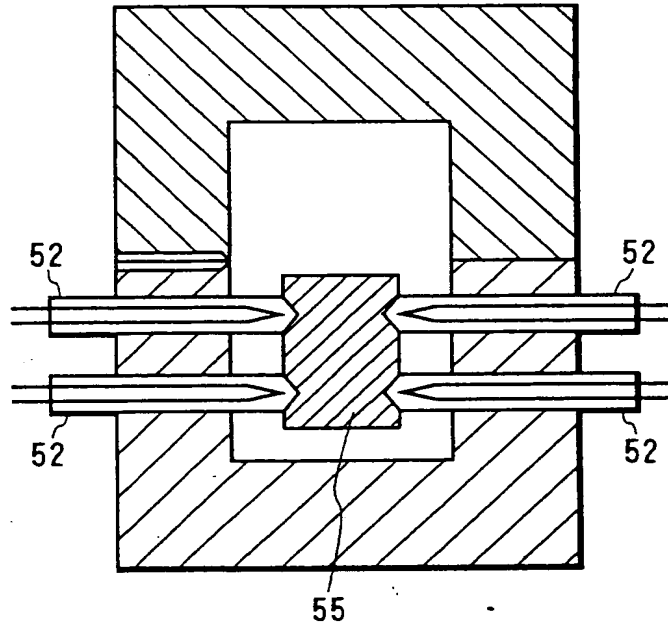


FIG. 17

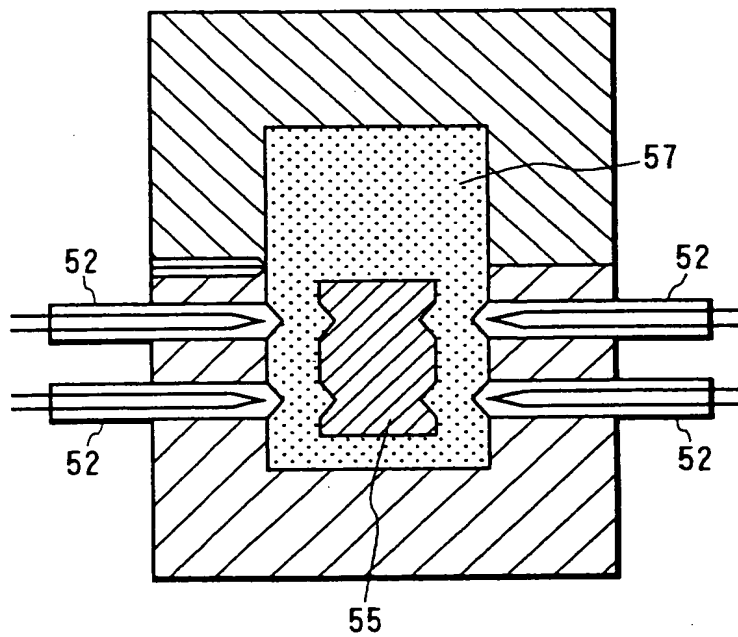
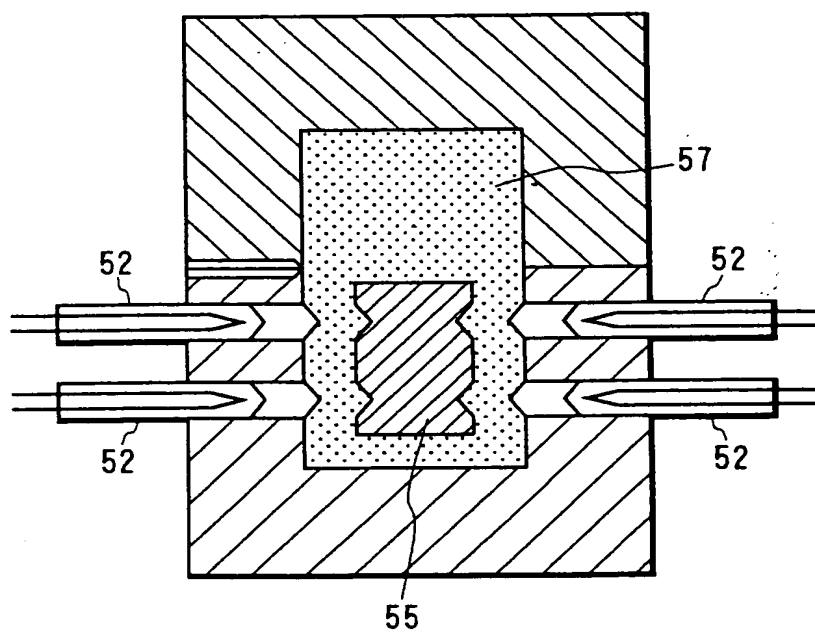


FIG. 18



8/21

FIG. 19

SAMPLE TIME	A	B	C	D
HOLD PIN BODY	STAINLESS	METAL	METAL	CERAMIC
HEATING MEMBER	STAINLESS	W WIRE	CERAMIC	CERAMIC
TEMPERATURE INCREASE RATE	30°C/s	70°C/s	80°C/s	100°C/s
POWER CONSUMPTION RATE	80W	50W	30W	30W
STRENGTH	φ5 OR GREATER	φ3 OR GREATER	φ3 OR GREATER	φ3 OR GREATER
RELIABILITY IN REPETITION	△	○	○	○
SYNTHETIC VALUATION	○	○	○	◎

9/21

FIG. 20

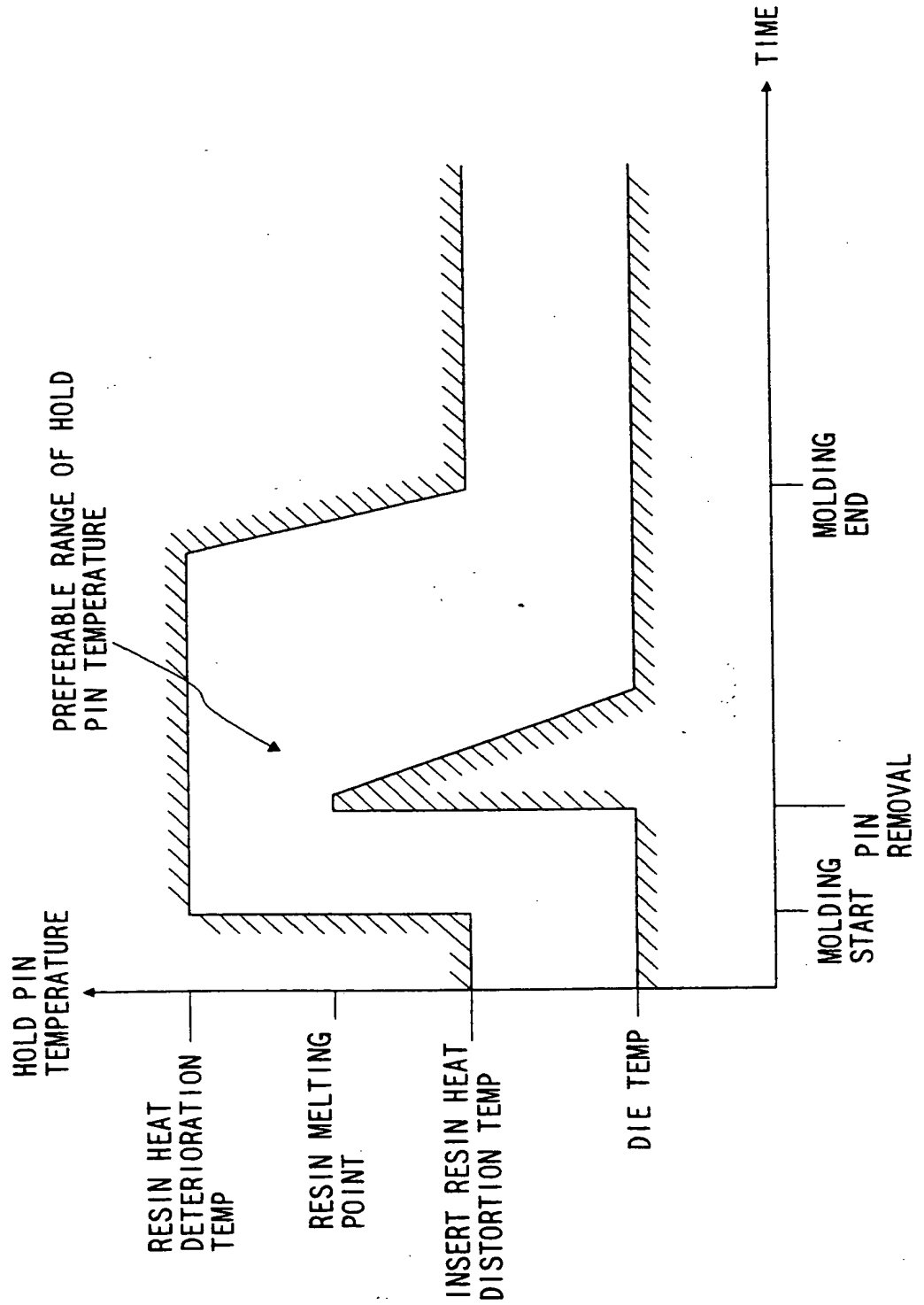


FIG. 21

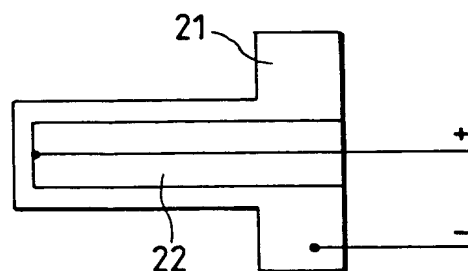


FIG. 22

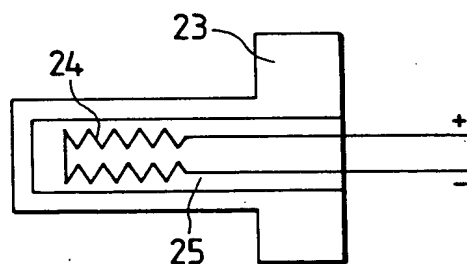


FIG. 23

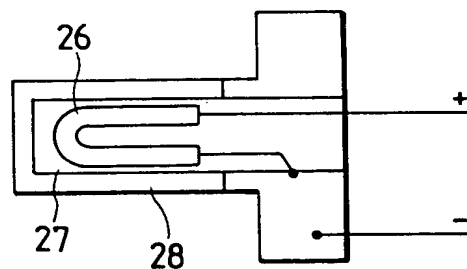


FIG. 24

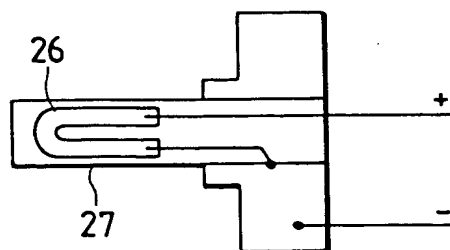


FIG. 25

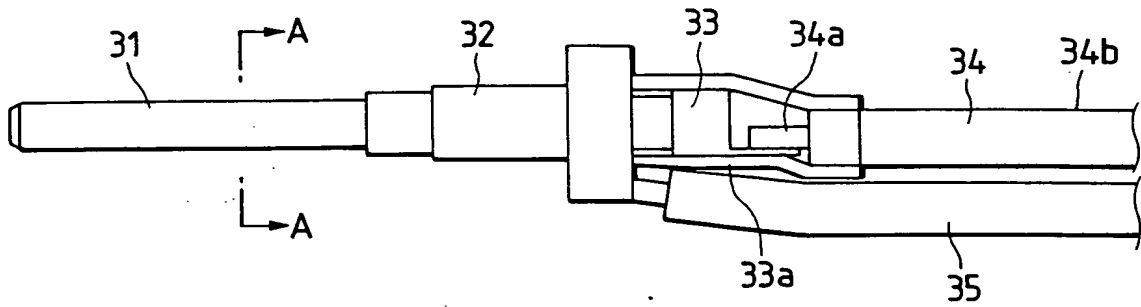


FIG. 26

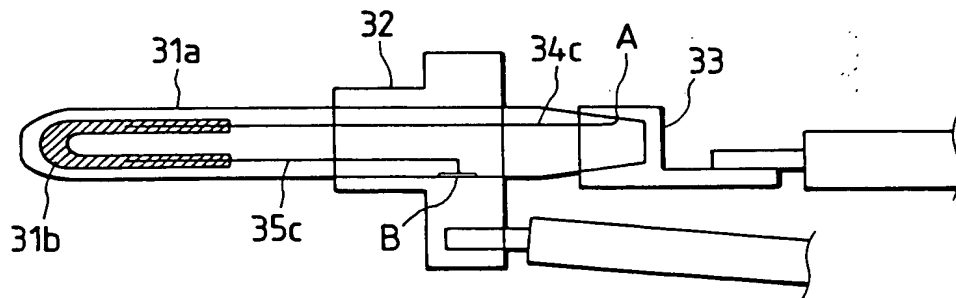
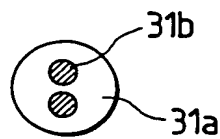


FIG. 27



12/21

FIG. 28

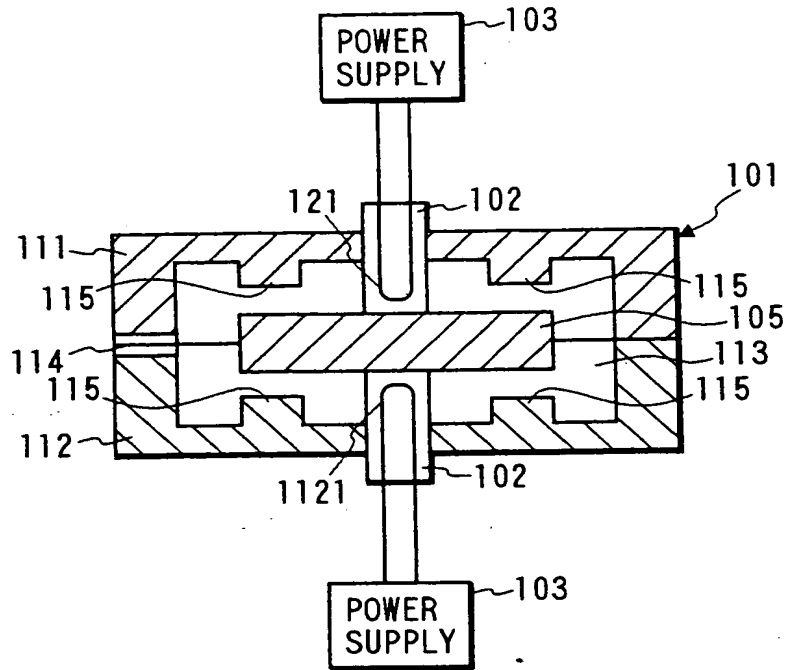


FIG. 29

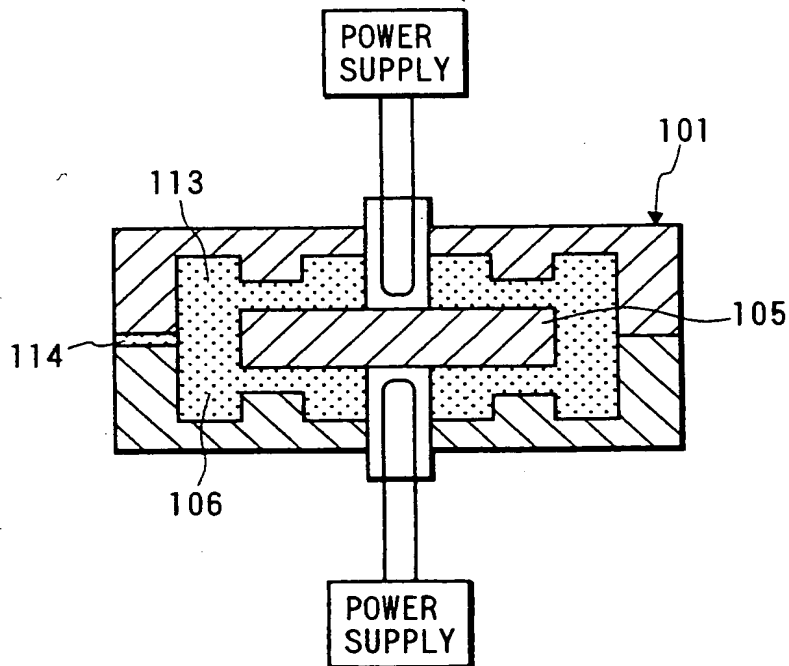


FIG. 30

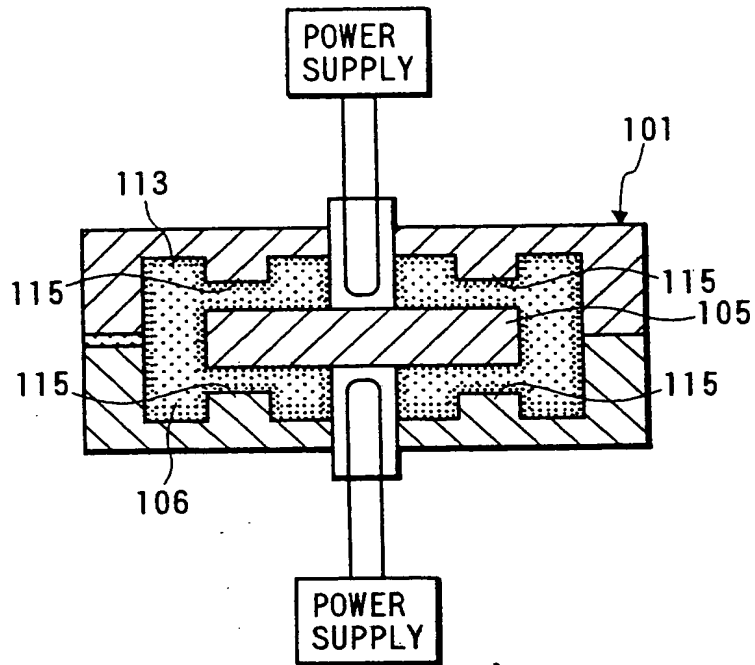


FIG. 31

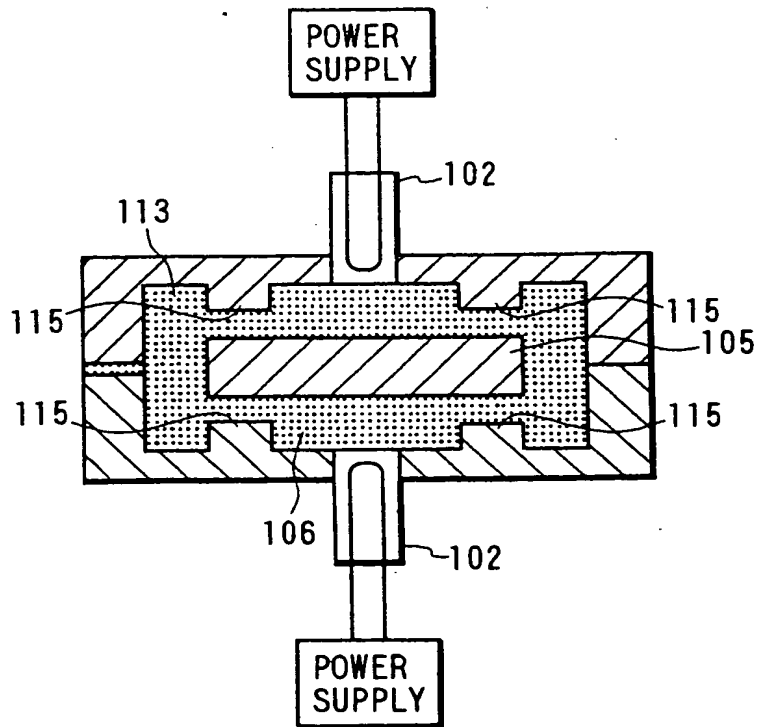


FIG. 32

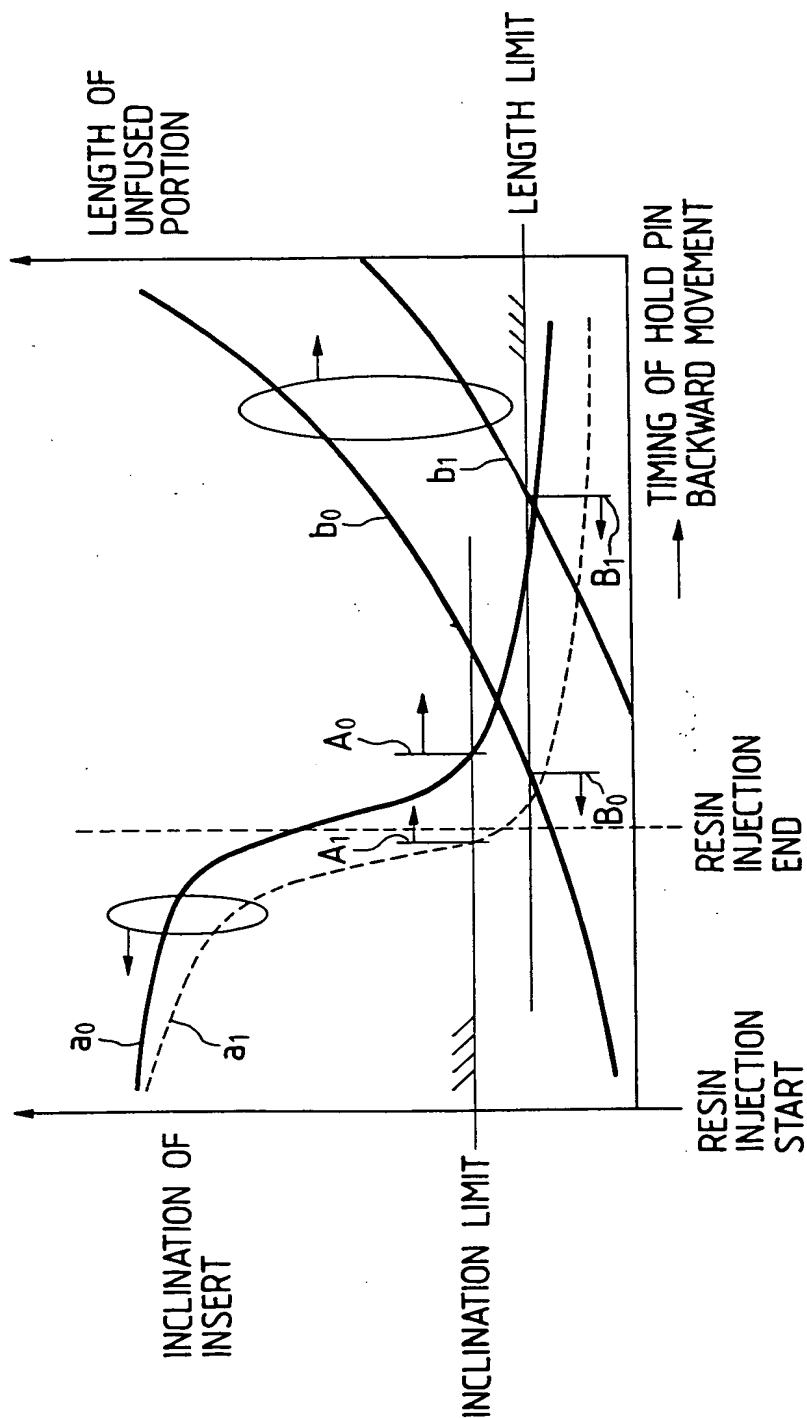


FIG. 33

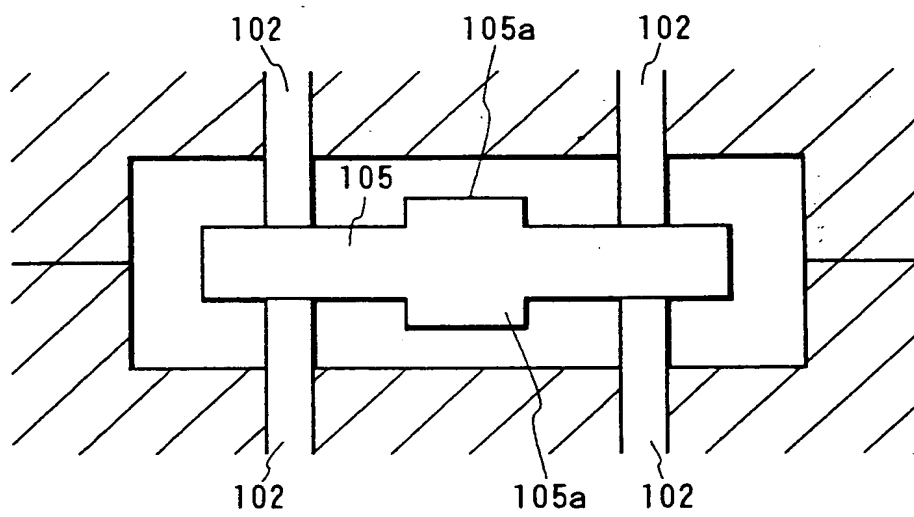


FIG. 34

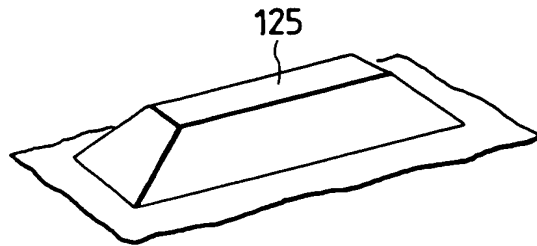


FIG. 35

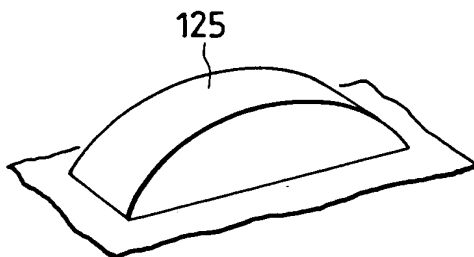


FIG. 36

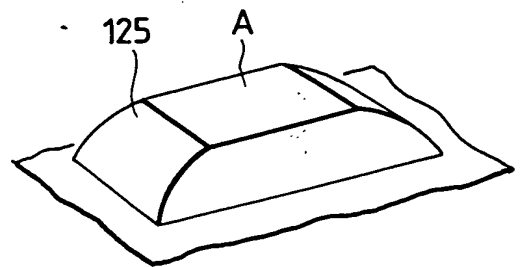


FIG. 37

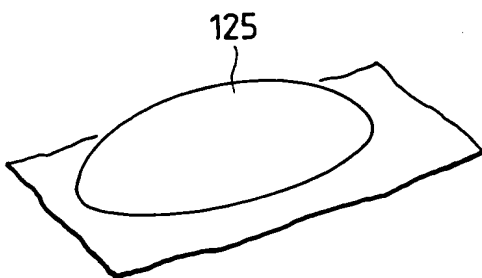


FIG. 38

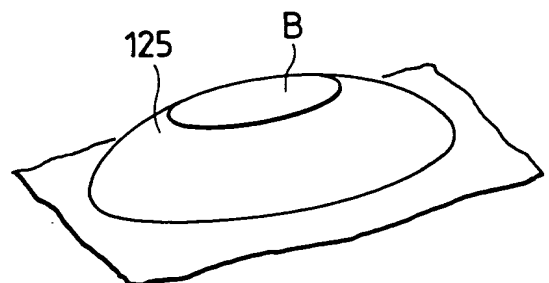


FIG. 39

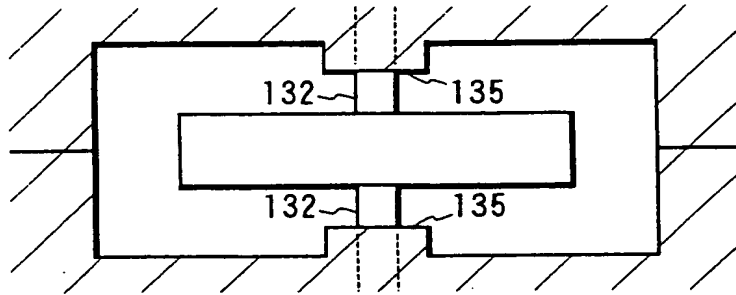


FIG. 40

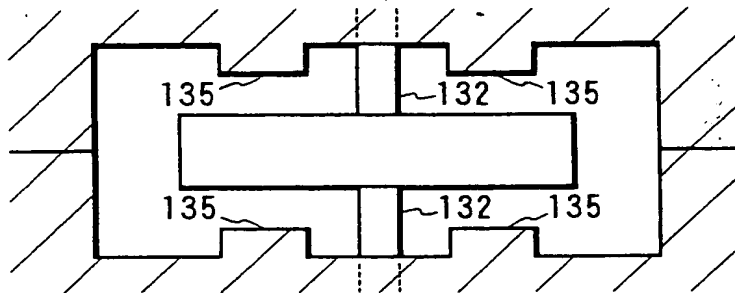


FIG. 41

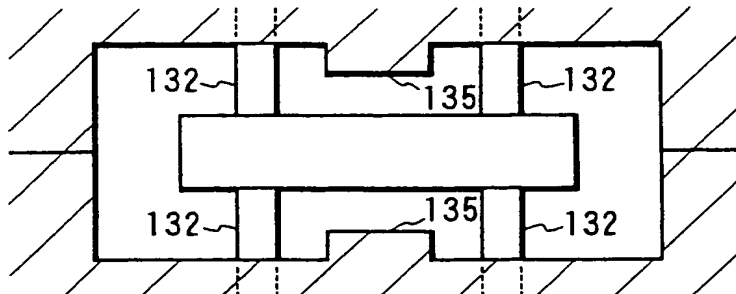


FIG. 42

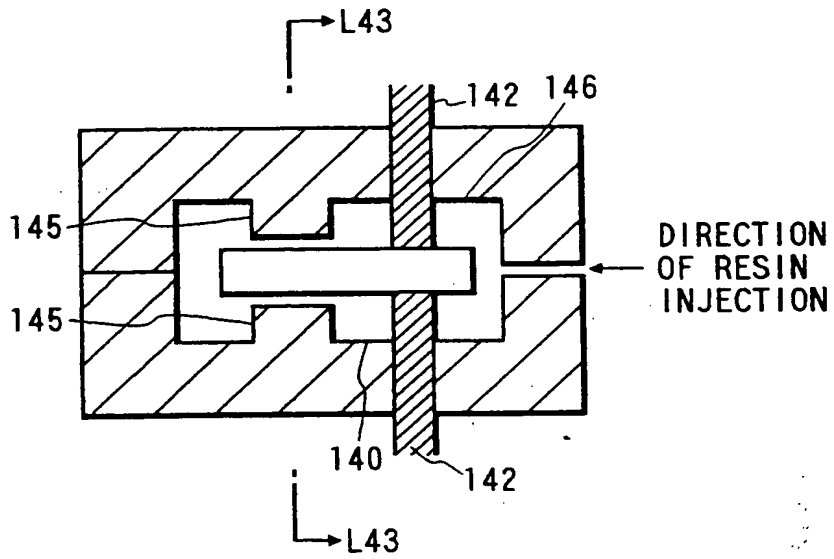


FIG. 43

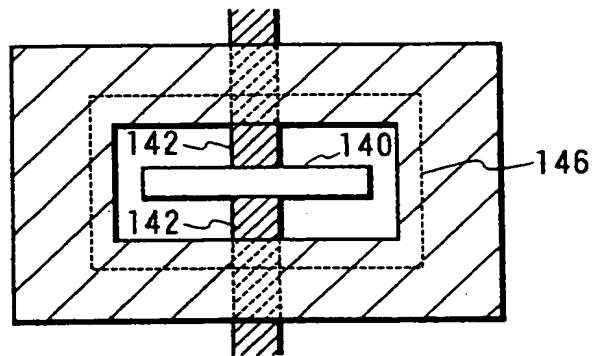


FIG. 44

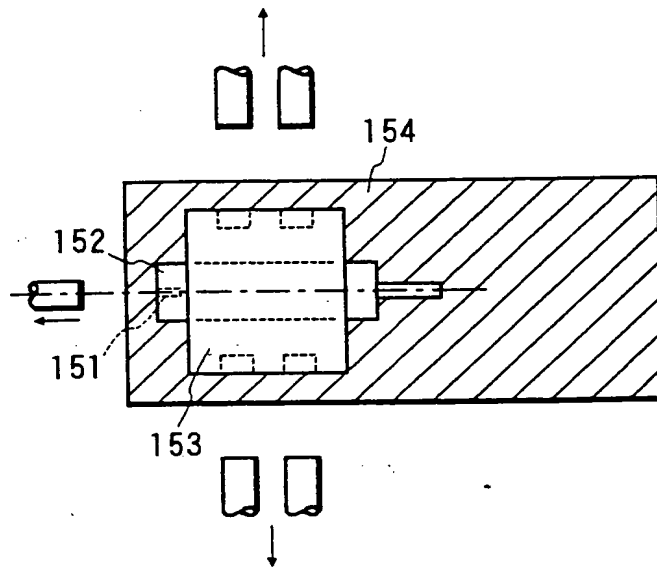


FIG. 45

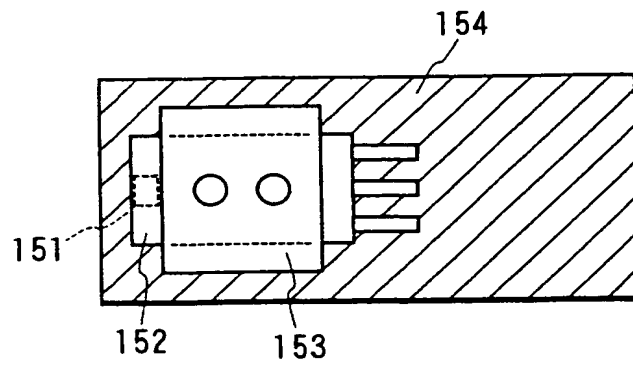


FIG. 46

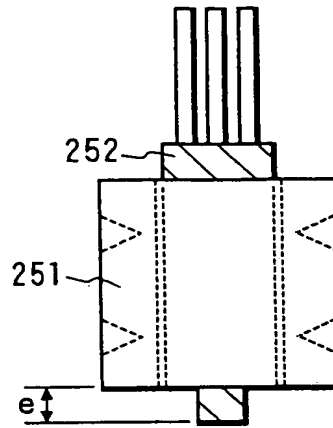


FIG. 47

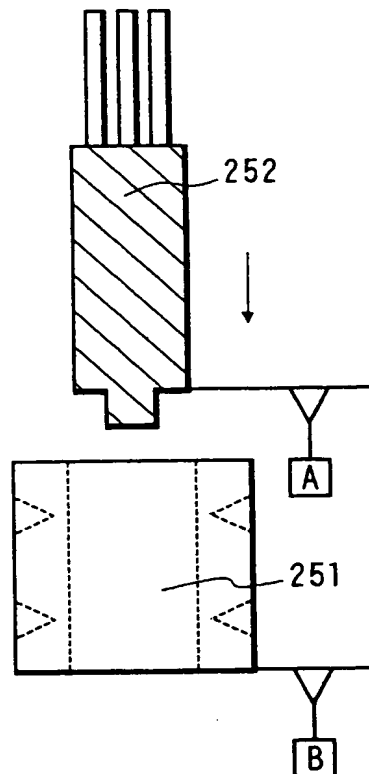
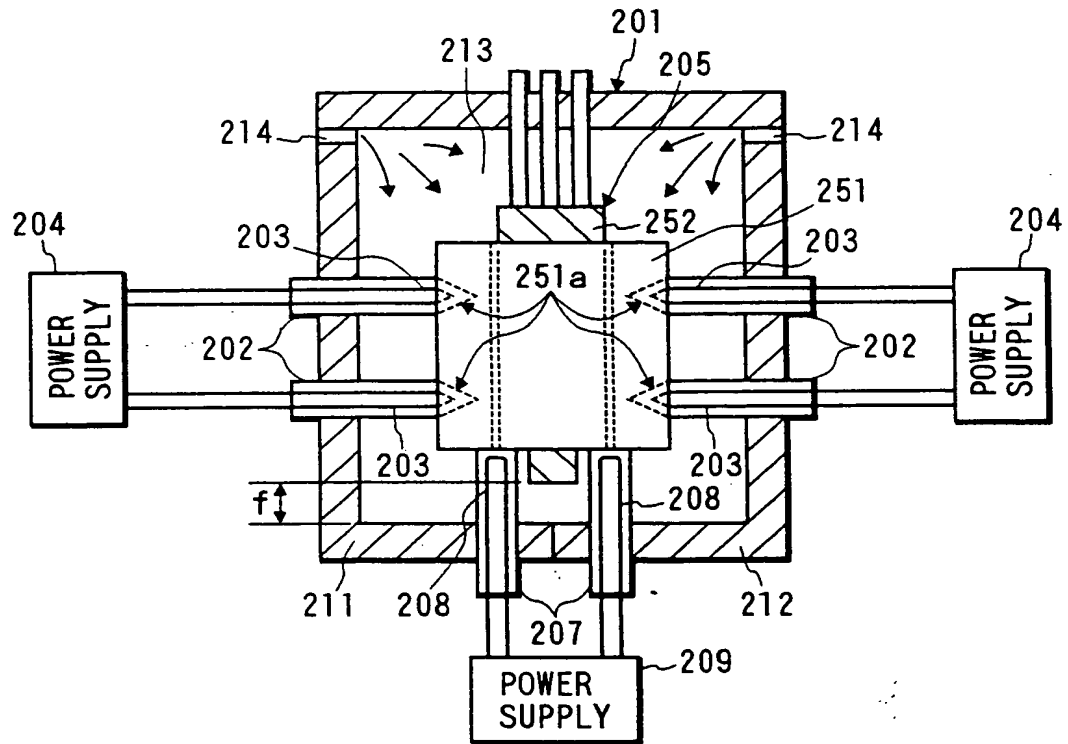


FIG. 48*FIG. 49*